Final Report-7/19/73-Tertologic Evaluation of FDA 71-46 (Sodium Tripolyphosphate, Anhydrous) in Rabbits

FOOD AND DRUG
LABORATORIES, INC.
MAURICE AVENUE AT 58TH STREET, MASPETH, NEW YORK 11378

FINAL

July 19, 1973

# Teratologic Evaluation of FDA 71-46

(Sodium tripolyphosphate, anhydrous)

in

Rabbits

T30

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# FINAL REPORT

Submitted to: DHEW/Public Health Service
Food and Drug Administration CA-272
5600 Fishers Lane-Room 5C-13
Rockville, Maryland 20852

Date July 19, 1973

Laboratory No. 1363 c
Contract No. FDA 71-260

Sample: Fine white crystalline material

Marking: FDA 71-46 (Sodium tripolyphosphate; anhydrous)

Examination Requested: Teratologic evaluation of FDA 71- 46 in rabbits

Procedure: (See Appendix I)

Results: See Tables 1 through 4 and Appendix II

Conclusion: On the basis of the data presented herein, the following conclusion appears to be warranted:

"The administration of up to 250 mg/kg (body weight) of the test material to pregnant rabbits for 13 consecutive days had no clearly discernible effect on nidation or on maternal or fetal survival. The number of abnormalities seen in either soft or skeletal tissues of the test groups did not differ from the number occurring spontaneously in the sham-treated controls."

It is therefore concluded that sodium tripolyphosphate is not a teratogen for the rabbit.

Kenneth Morgareidge

Kenneth Morgareidge, Ph.D.
Vice President

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Groups: 181 through 186

Material: FDA 71-46

Date: June 18, 1973

Laboratory No.: 1363 c

Table 1

Fate Summary
( Rabbits )

| Group | Material | Dose ** mg/kg | Total | | Surviving at Term | |
|---|---|---|---|---|---|---|
| | | | Mated | Pregnant | Total | Pregnant[1] |
| 181 | Sham | 0.0 | 20 | 15 | 15 | 10 |
| 182 | 6-AN* | 2.5 | 17 | 13 | 15 | 11 |
| 183 | FDA 71-46 | 2.5 | 20 | 16 | 19 | 15 |
| 184 | FDA 71-46 | 11.6 | 20 | 15 | 15 | 12 |
| 185 | FDA 71-46 | 54.0 | 22 | 16 | 19 | 14 |
| 186 | FDA 71-46 | 250.0 | 21 | 13 | 15 | 12 |

* Positive Control : 2.5 mg/kg of 6-aminonicotinamide dosed on Day 9

** Administered as a water solution (See Appendix I)

1) Includes all dams examined at term

FOOD AND DRUG RESEAR LABORATORIES, INC.

Group: 181 through 186 Date: June 18, 1973

Material: FDA 71-46 Laboratory No.: 1363 c

Table 2
Reproduction Data
( Rabbits )

| Group: | 181 | 182 | 183 | 184 | 185 | 186 |
|---|---|---|---|---|---|---|
| Dose (mg/kg): | Sham | 6-AN** | 2.5 | 11.6 | 54.0 | 250.0 |
| **Pregnancies** | | | | | | |
| Total No. | 15 | 13 | 16 | 15 | 16 | 13 |
| Died or Aborted (before Day 29) | 5 | 2 | 1 | 3 | 8 | 1 |
| To term (on Day 29) | 10 | 11 | 15 | 12 | 14 | 12 |
| **Corpora Lutea** | | | | | | |
| Total No. | 216 | 166 | 227 | 242 | 263 | 200 |
| Average/dam mated | 10.8 | 9.76 | 11.4 | 12.1 | 12.0 | 9.52 |
| **Live Litters** | | | | | | |
| Total No.* | 8 | 8 | 14 | 12 | 14 | 10 |
| **Implant Sites** | | | | | | |
| Total No. | 62 | 54 | 77 | 73 | 80 | 64 |
| Average/dam* | 6.20 | 4.91 | 5.13 | 6.08 | 5.71 | 5.33 |
| **Resorptions** | | | | | | |
| Total No.* | 9 | 12 | 9 | 8 | 8 | 11 |
| Dams with 1 or more sites resorbed | 5 | 8 | 4 | 2 | 7 | 6 |
| Dams with all sites resorbed | 1 | 3 | 1 | -- | -- | 2 |
| Per cent partial resorptions | 50.0 | 72.7 | 26.7 | 16.7 | 50.0 | 50.0 |
| Per cent complete resorptions | 10.0 | 27.3 | 6.67 | -- | -- | 16.7 |
| **Live Fetuses** | | | | | | |
| Total No. | 47 | 41 | 64 | 65 | 71 | 53 |
| Average/dam* | 4.70 | 3.73 | 4.27 | 5.42 | 5.07 | 4.42 |
| Sex ratio (M/F) | 1.35 | 1.16 | 1.29 | 1.16 | 1.29 | 0.83 |
| **Dead Fetuses** | | | | | | |
| Total No.* | 6 | 1 | 4 | -- | 1 | -- |
| Dams with 1 or more dead | 1 | 1 | 2 | -- | 1 | -- |
| Dams with all dead | 1 | -- | -- | -- | -- | -- |
| Per cent partial dead | 10.0 | 9.09 | 13.3 | -- | 7.14 | -- |
| Per cent all dead | 10.0 | -- | -- | -- | -- | -- |
| Average Fetus Weight, g | 37.2 | 33.5 | 41.8 | 39.7 | 41.0 | 38.9 |

* Includes only those dams examined at term.

** Positive Control: 2.5 mg/kg of 6-aminonicotinamide dosed on Day 9

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Groups 181 through 186 — Laboratory No. 1363 c

Table 3

Material FDA 71-46 — Date June 18, 1973

Summary of Skeletal Findings* ( Rabbits )

| Findings / Group No. | 181 | 182 | 183 | 184 | 185 | 186 |
|---|---|---|---|---|---|---|
| Dose (mg/kg): | Sham | 6-AN** | 2.5 | 11.6 | 54.0 | 250.0 |
| Live Fetuses Examined (at term) | 32/7[a] | 40/8 | 64/14 | 60/11[a] | 71/14 | 53/10 |
| Sternebrae | | | | | | |
| Incomplete oss. | | 6/2 | | | 4/3 | |
| Scrambled | | | | | | |
| Bipartite | | | | | 1/1 | |
| Fused | | 10/5 | 6/3 | 1/1 | 2/2 | 1/1 |
| Extra | 2/2 | 1/1 | | 2/2 | 3/3 | 2/1 |
| Missing | | 1/1 | | | 1/1 | |
| Other | | | | | | |
| Ribs | | | | | | |
| Incomplete oss. | | | | | | |
| Fused/split | | 13/6 | | | | |
| Wavy | | | | | | |
| Less than 12 | | | | | | |
| More than 13 | | | | | | |
| Other | | | | | | |
| Vertebrae | | | | | | |
| Incomplete oss. | | | | | | |
| Scrambled | | 16/6 | | | | |
| Fused | | | | | | |
| Extra ctrs. oss. | | | | | | |
| Scoliosis | | 13/6 | | | | |
| Tail defects | 1/1 | 35/8 | | | 1/1 | |
| Other | | | | | | |
| Skull | | | | | | |
| Incomplete closure | | 1/1 | | | | |
| Missing | | | | | | |
| Craniostosis | | | | | | |
| Other | | | | | | |
| Extremities | | | | | | |
| Incomplete oss. | | | | | | |
| Missing | | | | | | |
| Extra | | | | | | |
| Miscellaneous | | | | | | |

* Numerator=Number of fetuses affected; Denominator=Number of litters affected.

** Positive control: 2/5 mg/kg of 6-aminonicotinamide dosed on Day 9.

[a] One litter lost in processing

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Groups 181 through 186 Date June 18, 1973

Material FDA 71-46 Laboratory No. 1363 c

Table 3-a

Summary of Soft Tissue Abnormalities

(Rabbits)

| Group | Material | Dose Level mg/kg | Dam | Number of Pups | Description |
|---|---|---|---|---|---|
| 182 | 6-AN* | 2.5 | Z 3272 | 3 | Anopia; medial rotation of hind limbs |
| | | | Z 3275 | 4 | Anopia |
| | | | Z 3276 | 5 | Anopia; medial rotation of hind limbs |

* Positive Control: 2.5 mg/kg of 6-aminonicotinamide dosed on Day 9

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Groups 181 through 186

Date June 18, 1973

Table 4

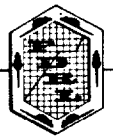
Species Rabbits

Laboratory No. 1363 c

Average Body Weights*

| Group | Material | Dose Level | Day 0 | 6 | 12 | 18 | 29** |
|---|---|---|---|---|---|---|---|
| | | mg/kg | g | | | | |
| 181 | Sham | 0.0 | 2.03 | 2.09 | 2.07 | 2.17 | 2.28 (10) |
| 182 | 6-AN*** | 2.5 | 2.06 | 2.30 | 2.33 | 2.42 | 2.50 (11) |
| 183 | FDA 71-46 | 2.5 | 2.37 | 2.43 | 2.46 | 2.54 | 2.68 (15) |
| 184 | FDA 71-46 | 11.6 | 2.48 | 2.55 | 2.55 | 2.63 | 2.76 (12) |
| 185 | FDA 71-46 | 54.0 | 2.34 | 2.36 | 2.44 | 2.53 | 2.66 (14) |
| 186 | FDA 71-46 | 250.0 | 2.13 | 2.18 | 2.21 | 2.23 | 2.37 (12) |

* Of pregnant dams
** Number of surviving dams in parentheses (c.f. Table 1)
*** Positive control: 2.5 mg/kg of 6-aminonicotinamide dosed on Day 9



Appendix I

Teratology Study in Rabbits

Virgin, adult, Dutch-belted female rabbits were individually housed in mesh bottom cages in temperature and humidity-controlled quarters with free access to food and fresh tap water. On Day 0, each doe was given an injection of 0.4 ml of human chorionic gonadotropin (400 IU) via the marginal ear vein. Three hours later, each doe was inseminated artificially with 0.3 ml of diluted semen from a proven donor buck using approximately $20 \times 10^6$ motile sperm according to the procedure described by Vogin et al (Pharmacologist 11, 282 (1969)). Beginning on Day 6 and continuing daily through Day 18 the females were dosed with the indicated dosages by oral intubation. The controls were sham treated with the vehicle at a level equivalent to the group receiving the highest test dose. The test material was prepared and doses calculated according to the following table:

| Dosage (mg/kg) | Dose (ml/kg) | Concentration (mg/ml) |
|---|---|---|
| $\leq$ 250 | 1 | $\leq$ 250 |
| 251 - 500 | 2 | 125 - 250 |
| 501 - 750 | 3 | 133 - 250 |
| 751 - 1000 | 4 | 187 - 250 |
| 1001 - 1250 | 5 | 200 - 250 |
| 1251 - 1500 | 6 | 208 - 250 |
| 1501 - 1600 | 6.4 | 235 - 250 |

Body weights were recorded on Days 0, 6, 12, 18, and 29 of gestation. All animals were observed daily for appearance and behavior, with particular attention to food consumption and body weight in order to rule out any abnormalities which may have occurred as a result of anorexic effects in the pregnant female animal.

On Day 29 all does were subjected to Caesarean section under surgical anesthesia, and the numbers of corpora lutea, implantation sites, resorption sites and live and dead fetuses were recorded. Body weights of the live pups were also recorded. The urogenital tract of each animal was examined in detail for normality. In addition all fetuses underwent a detailed gross examination for the presence of external congenital abnormalities. The live fetuses of each litter were then placed in an incubator for 24 hours for the evaluation of neonatal survival. All surviving pups were sacrificed, and all pups examined for visceral abnormalities (by dissection). All fetuses were then cleared in potassium hydroxide (KOH), stained with alizarin red S dye and examined for skeletal defects.

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 181

Material Sham

Dose 0.0 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| S 3271 | P | 13 | 2 | 2 | | -- | -- | | ---- | Aborted Day 22 |
| S 3272 | P | 14 | 3 | 1 | | 0 | 1 | 2 | 46.3 | |
| S 3273 | P | 13 | 2 | | | | | 2 | ---- | |
| S 3274 | P | 17 | 8 | 7 | | 4 | 3 | 1 | 37.7 | One Neonatal Death |
| S 3275 | NP | 1 | 0 | | | | | | ---- | |
| S 3276 | P | 12 | 5 | 2 | | 1 | 1 | 3 | 43.3 | |
| S 3277 | NP | 2 | 0 | | | | | | ---- | |
| S 3278 | NP | 0 | 0 | | | | | | ---- | |
| S 3279 | P | 9 | 4 | -- | | -- | -- | | ---- | Aborted Day 27 |
| S 3280 | P | 7 | 3 | -- | | -- | -- | | ---- | Aborted Day 19 |
| S 3281 | P | 22 | 4 | 4 | | -- | -- | | ---- | Sacrificed Day 18 |
| S 3282 | NP | 7 | 0 | | | | | | ---- | |
| S 3283 | P | 13 | 8 | 8 | | 4 | 4 | | 33.8 | |
| S 3284 | P | 12 | 8 | 8 | | 4 | 4 | | 25.5 | |
| S 3285 | P | 13 | 8 | 8 | | 5 | 3 | | 34.0 | |
| S 3286 | P | 14 | 5 | 5 | | 2 | 3 | | 41.5 | |
| S 3287 | P | 13 | 6 | | 6 | | | | ---- | |
| S 3288 | P | 14 | 6 | 5 | | -- | -- | 1 | ---- | Died Day 13 |
| S 3289 | NP | 5 | 0 | | | | | | ---- | |
| S 3290 | P | 15 | 9 | 8 | | 7 | 1 | 1 | 35.7 | |

* P = Pregnant; NP = Not Pregnant

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 182

Material 6-AN

Dose 2.5 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| Z 3271 | P | 7 | 1 | | | | | 1 | ---- | |
| Z 3272 | P | 16 | 3 | 3 | | 1 | 2 | | 29.7 | Three Neonatal Deaths |
| Z 3273 | P | 7 | 2 | -- | | -- | -- | | ---- | Aborted Day 22 |
| Z 3274 | P | 7 | 3 | | | | | 3 | ---- | |
| Z 3275 | P | 20 | 5 | 4 | | 3 | 1 | 1 | 38.8 | One Neonatal Death |
| Z 3276 | P | 18 | 7 | 5 | | 2 | 3 | 2 | 29.0 | Four Neonatal Deaths |
| Z 3277 | NP | 5 | 0 | | | | | | ---- | |
| Z 3278 | NP | 8 | 0 | | | | | | ---- | |
| Z 3279 | NP | 11 | 0 | | | | | | ---- | |
| Z 3280 | P | 11 | 3 | 2 | | -- | -- | 1 | ---- | Died Day 21 |
| Z 3281 | P | 11 | 4 | 3 | 1 | 2 | 1 | | 46.1 | |
| Z 3282 | NP | 8 | 0 | | | | | | ---- | |
| Z 3283 | P | 4 | 1 | | | | | 1 | ---- | |
| Z 3284 | P | --** | 8 | 8 | | 4 | 4 | | 33.2 | Eight Neonatal Deaths |
| Z 3285 | P | 12 | 9 | 8 | | 4 | 4 | 1 | 30.3 | Four Neonatal Deaths |
| Z 3286 | P | 10 | 6 | 5 | | 3 | 2 | 1 | 28.2 | Five Neonatal Deaths |
| Z 3287 | | | | | | | | | | Not Assigned |
| Z 3288 | P | 11 | 7 | 5 | | 3 | 2 | 2 | 32.9 | Two Neonatal Deaths |

* P = Pregnant; NP = Not Pregnant

** Not Recorded

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 183

Material FDA 71-46

Dose 2.5 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363 c

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| C 3001 | NP | 0 | 0 | | | | | | ---- | |
| C 3002 | NP | 9 | 0 | | | | | | ---- | |
| C 3003 | NP | 0 | 0 | | | | | | ---- | |
| C 3004 | P | 15 | 4 | 4 | | 3 | 1 | | 43.2 | |
| C 3005 | P | 12 | 7 | 7 | | 4 | 3 | | 45.8 | |
| C 3006 | P | 10 | 3 | 3 | | 2 | 1 | | 54.0 | |
| C 3007 | P | 10 | 2 | 2 | | 1 | 1 | | 53.8 | |
| C 3008 | NP | 0 | 0 | | | | | | ---- | |
| C 3009 | P | 15 | 5 | 3 | 2 | 2 | 1 | | 42.5 | |
| C 3010 | P | 29 | 7 | 6 | | 3 | 3 | 1 | 30.4 | |
| C 3011 | P | 6 | 4 | | | | | 4 | ---- | |
| C 3012 | P | 11 | 7 | 5 | 2 | 2 | 3 | | 36.7 | Two Neonatal Deaths |
| C 3013 | P | 16 | 8 | 8 | | 4 | 4 | | 36.5 | |
| C 3014 | P | 6 | 5 | 5 | | 2 | 3 | | 28.7 | Five Neonatal Deaths |
| C 3015 | P | 21 | 8 | 8 | | -- | -- | | ---- | Accid.Death Day 8 |
| C 3016 | P | 24 | 8 | 8 | | 5 | 3 | | 44.4 | |
| C 3017 | P | 8 | 1 | 1 | | 1 | 0 | | 46.1 | |
| C 3018 | P | 8 | 3 | 3 | | 2 | 1 | | 42.6 | |
| C 3019 | P | 12 | 7 | 6 | | 3 | 3 | 1 | 39.9 | |
| C 3020 | P | 15 | 6 | 3 | | 2 | 1 | 3 | 40.8 | |

* P = Pregnant; NP = Not Pregnant

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 184

Material FDA 71-46

Dose 11.6 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363 c

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| C 3021 | P | 22 | 5 | 5 | | 3 | 2 | | 39.0 | |
| C 3022 | P | 7 | 5 | | | | | 5 | ---- | Sacrificed Day 12 |
| C 3023 | P | 17 | 3 | -- | | -- | -- | | ---- | Died Day 15 |
| C 3024 | NP | 4 | 0 | | | | | | ---- | Died Day 11 |
| C 3025 | P | 8 | 6 | 6 | | 4 | 2 | | 38.2 | One Neonatal Death |
| C 3026 | P | 17 | 8 | 8 | | 6 | 2 | | 42.9 | |
| C 3027 | NP | 0 | 0 | | | | | | ---- | |
| C 3028 | P | 15 | 5 | 5 | | 2 | 3 | | 38.2 | |
| C 3029 | NP | 6 | 0 | | | | | | ---- | |
| C 3030 | P | 16 | 5 | 5 | | 2 | 3 | | 34.9 | |
| C 3031 | P | 8 | 7 | 1 | | 0 | 1 | 6 | 38.1 | |
| C 3032 | P | 14 | 5 | 5 | | 3 | 2 | | 40.0 | |
| C 3033 | P | 14 | 3 | 3 | | -- | -- | | ---- | Accid. Death Day 10 |
| C 3034 | P | 24 | 11 | 11 | | 6 | 5 | | 35.3 | |
| C 3035 | P | 17 | 5 | 5 | | 2 | 3 | | 46.5 | |
| C 3036 | NP | 6 | 0 | | | | | | ---- | |
| C 3037 | P | 21 | 4 | 2 | | 2 | 2 | 2 | 54.9 | |
| C 3038 | NP | 0 | 0 | | | | | | ---- | Died Day 28 |
| C 3039 | P | 13 | 5 | 5 | | 2 | 3 | | 30.8 | |
| C 3040 | P | 13 | 7 | 7 | | 4 | 3 | | 37.7 | |

* P = Pregnant; NP = Not Pregnant

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 185

Material FDA 71-46

Dose 54.0 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363 c

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| C 3041 | NP | 2 | 0 | | | | | | ---- | |
| C 3042 | NP | 0 | 0 | | | | | | ---- | |
| C 3043 | NP | 0 | 0 | | | | | | ---- | |
| C 3044 | NP | 3 | 0 | | | | | | ---- | Died Day 15 |
| C 3045 | P | 14 | 9 | 9 | | -- | -- | | ---- | Died Day 14 |
| C 3046 | NP | 11 | 0 | | | | | | ---- | |
| C 3047 | P | 20 | 9 | 7 | 1 | 4 | 3 | 1 | 33.3 | |
| C 3048 | P | 22 | 6 | 4 | | 2 | 2 | 2 | 49.7 | |
| C 3049 | P | 27 | 10 | 10 | | 7 | 3 | | 38.1 | |
| C 3050 | P | 12 | 6 | 6 | | 3 | 3 | | 42.2 | |
| C 3051 | P | 7 | 3 | 2 | | 1 | 1 | 1 | 51.4 | |
| C 3052 | P | 11 | 5 | 4 | | 2 | 2 | 1 | 43.7 | One Neonatal Death |
| C 3053 | P | 13 | 7 | 7 | | 5 | 2 | | 34.4 | |
| C 3054 | NP | 25 | 0 | | | | | | ---- | |
| C 3055 | P | 12 | 5 | -- | | -- | -- | | ---- | Died Day 18 |
| C 3056 | P | 16 | 3 | 2 | | 1 | 1 | 1 | 45.3 | One Neonatal Death |
| C 3057 | P | 9 | 3 | 3 | | 1 | 2 | | 37.1 | |
| C 3058 | P | 8 | 4 | 3 | | 2 | 1 | 1 | 43.1 | |
| C 3059 | P | 11 | 8 | 8 | | 4 | 4 | | 32.7 | |
| C 3060 | P | 16 | 8 | 8 | | 4 | 4 | | 37.3 | |
| C 3081 | P | 11 | 7 | 6 | | 3 | 3 | 1 | 34.9 | |
| C 3082 | P | 13 | 1 | 1 | | 1 | 0 | | 50.6 | |

* P = Pregnant; NP = Not Pregnant

FOOD AND DRUG RESEARCH LABORATORIES, INC.

Group 186

Material FDA 71-46

Dose 250.0 mg/kg

Appendix II

Reproduction Data in Rabbits (Individual)

Date May 30, 1973

Laboratory No. 1363 c

| Dam No. | Fate* | Corpora Lutea | Implant Sites | Fetuses | | Sex | | Resorption Sites | Average Fetus Weight (g) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Alive | Dead | M | F | | | |
| C 3061 | NP | 0 | 0 | | | | | | ---- | Died Day 7 |
| C 3062 | NP | 3 | 0 | | | | | | ---- | |
| C 3063 | NP | 0 | 0 | | | | | | ---- | Died Day 7 |
| C 3064 | NP | 7 | 0 | | | | | | ---- | Died Day 26 |
| C 3065 | NP | 2 | 0 | | | | | | ---- | |
| C 3066 | P | 12 | 6 | 4 | | 1 | 3 | 2 | 36.8 | |
| C 3067 | P | 5 | 2 | | | | | 2 | ---- | |
| C 3068 | P | 19 | 6 | 4 | | 3 | 1 | 2 | 47.0 | |
| C 3069 | P | 8 | 5 | 5 | | 3 | 2 | | 37.0 | |
| C 3070 | NP | 5 | 0 | | | | | | ---- | |
| C 3071 | P | 14 | 5 | 4 | | -- | -- | 1 | ---- | Died Day 21 |
| C 3072 | P | 19 | 8 | 8 | | 2 | 6 | | 25.8 | |
| C 3073 | P | 5 | 2 | | | | | 2 | ---- | |
| C 3074 | P | 10 | 8 | 8 | | 5 | 3 | | 38.3 | |
| C 3075 | P | 12 | 5 | 3 | | 1 | 2 | 2 | 45.1 | |
| C 3076 | P | 26 | 10 | 10 | | 4 | 6 | | 32.3 | |
| C 3077 | P | 10 | 5 | 5 | | 2 | 3 | | 39.1 | |
| C 3078 | NP | 6 | 0 | | | | | | ---- | Died Day 9 |
| C 3079 | P | 10 | 6 | 5 | | 3 | 2 | 1 | 39.2 | |
| C 3080 | NP | 7 | 0 | | | | | | ---- | Sacrificed Day 11 |
| C 3084 | P | 20 | 1 | 1 | | 0 | 1 | | 48.3 | |

* P = Pregnant; NP = Not Pregnant